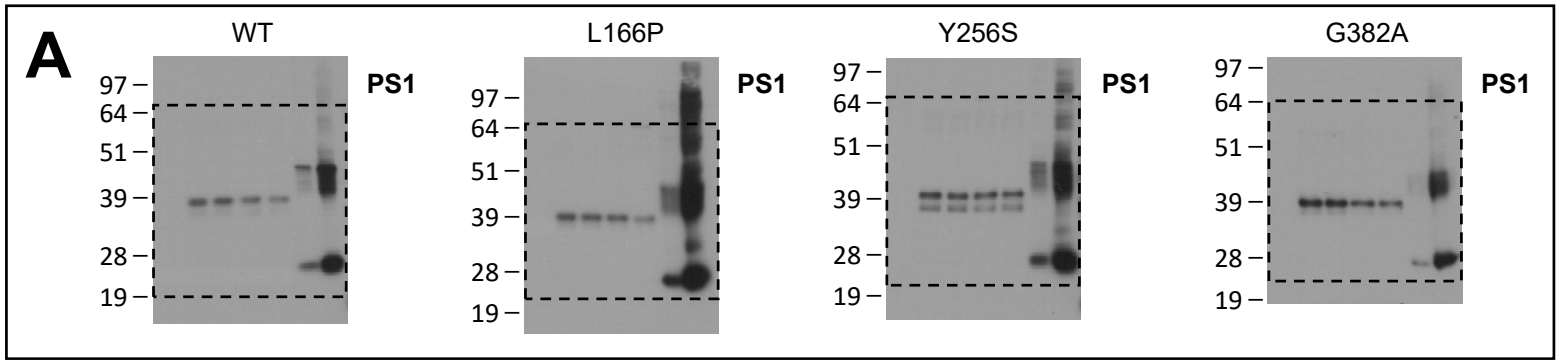
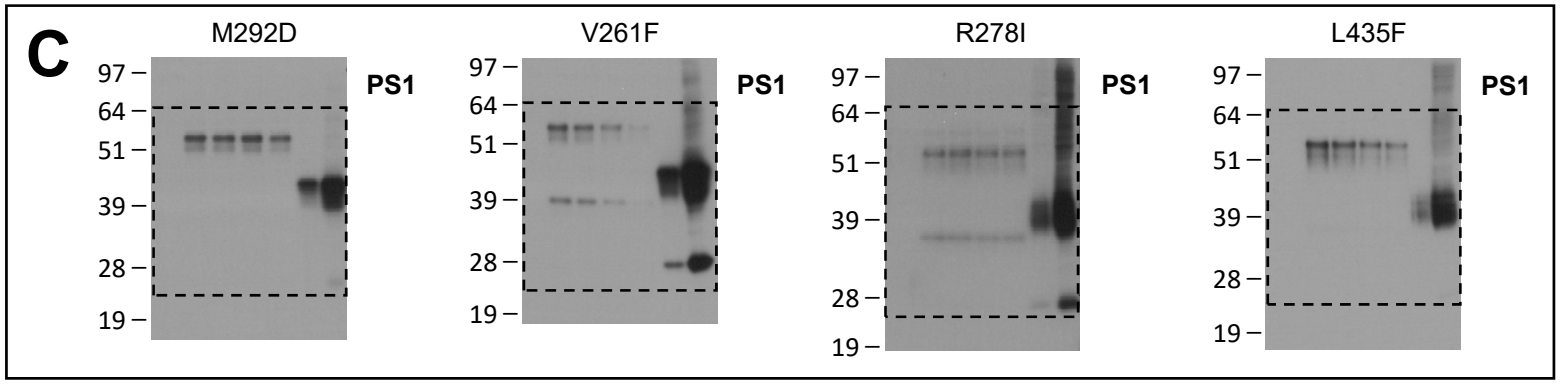


B V44 CL efficiency (Rel. to DMSO-treated)

	DMSO											50 nM RO7019009											500 nM RO7019009											2500 nM RO7019009										
WT	1	1	1	1	1	1	1	1	1	1	1	0.89	0.87	0.99	1.03	0.92	0.78	1.05	1.03	1.06	1.1	1.45	0.76	0.83	0.8	0.83	0.7	0.41	0.82	0.85	1	1.02	1.37	0.61	0.45	0.49	0.39	0.4	0.26	0.48	0.66	0.79	0.58	0.58
L166P					1	1	1	1	1	1	1					1.04	0.89	1.17	1	0.74	1.19	1.11					1.16	0.75	0.62	1.04	0.92	1.24	0.74					0.87	1.01	0.75	0.73	0.58	0.86	0.43
Y256S				1	1	1		1	1	1	1				1.14	1.15	0.93		0.94	1.05	1.06	1.15				0.77	1.06	0.87		1.03	0.76	1.14	0.86				0.83	1.26	1.1		1.11	0.8	1.1	0.68
G382A	1	1	1		1	1		1	1	1	1	0.89	0.98	1.06		1.29	1.22		0.94	0.64	0.79	0.93	0.74	1.11	0.83		1.06	0.89		0.91	0.76	0.81	0.67	0.6	0.91	0.78		1	0.49		0.9	0.52	0.66	0.59



D V44 CL efficiency (Rel. to DMSO-treated)

	DMSO									50 nM RO7019009								500 nM RO7019009								2500 nM RO7019009							
M292D	1	1	1	1	1	1	1	1	1	1.08	1.28	1.08	1.22	1.32	0.95	0.57	1.17	0.78	0.97	0.95	0.8	1.01	0.74	1.04	0.65	1.1	0.61	0.88	0.99	0.88	0.64	0.65	0.81	0.43	0.55	0.38
V261F			1	1	1	1	1	1	1			0.89	0.8	0.99	0.82	0.62	1	0.77			0.71	0.59	0.85	0.55	0.49	0.66	0.86			0.57	0.55	0.72	0.3	0.76	0.54	0.68
R278I		1	1		1	1	1	1	1		1.34	0.96		1.4	1.02	0.59	1.16	0.83		1.46	0.99		1.43	1.01	0.59	1.06	0.61		1.23	0.76		1.18	0.92	0.3	1.06	0.85
L435F	1		1	1	1	1	1	1	1	1		0.7	1.05	0.85	0.94	1.24	0.85	1.13	1.06		0.58	0.73	0.62	0.67	0.75	0.63	0.93	1.08		0.52	0.42	0.6	0.71	0.75	0.58	0.47

Source Data Figure 6